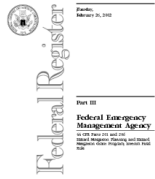


FEMA REGION I MITIGATION PLANNING WEBLIOGRAPHY

Hazard Mitigation is sustained action taken to reduce or eliminate risk to people and their property from natural hazards over the longest possible term.

REGULATORY INFORMATION

| | |
|---|---|
|  | Final Rule 44 CFR 201.6 http://www.fema.gov/pdf/help/fr02-4321.pdf |
| Disaster Mitigation Act of 2000 (DMA 2K) | http://www.fema.gov/library/viewRecord.do?id=1935 |

DISASTERS AND NATURAL HAZARDS INFORMATION

FEMA-How to deal with specific hazards

<http://www.ready.gov/natural-disasters>

Natural Hazards Center at the University of Colorado

<http://www.colorado.edu/hazards>

National Oceanic and Atmospheric Administration (NOAA): Information on various projects and research on climate and weather.

<http://www.websites.noaa.gov>

National Climatic Data Center active archive of weather data.

<http://lwf.ncdc.noaa.gov/oa/ncdc.html>

Northeast Snowfall Impact Scale

<http://www.erh.noaa.gov/rnk/Newsletter/Fall%202007/NESIS.htm>

Weekend Snowstorm Strikes The Northeast Corridor Classified As A Category 3 "Major" Storm

<http://www.publicaffairs.noaa.gov/releases2006/feb06/noaa06-023.html>

FLOOD RELATED HAZARDS

FEMA Coastal Flood Hazard Analysis & Mapping

<http://www.fema.gov/national-flood-insurance-program-0/fema-coastal-flood-hazard-analyses-and-mapping-1>

Floodsmart

<http://www.floodsmart.gov/floodsmart/>

National Flood Insurance Program (NFIP)

<http://www.fema.gov/nfip>

Digital quality Level 3 Flood Maps

<http://msc.fema.gov/MSD/statemap.htm>

Flood Map Modernization

<http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/map-modernization>

Reducing Damage from Localized Flooding: A Guide for Communities, 2005 FEMA 511
<http://www.fema.gov/library/viewRecord.do?id=1448>

FIRE RELATED HAZARDS

Firewise
<http://www.firewise.org>

NOAA Fire Event Satellite Photos
<http://www.osei.noaa.gov/Events/Fires>

U.S. Forest Service, USDA
<http://www.fs.fed.us/land/wfas/welcome.htm>

Wildfire Hazards - A National Threat
<http://pubs.usgs.gov/fs/2006/3015/2006-3015.pdf>

GEOLOGIC RELATED HAZARDS

USGS Topographic Maps
<http://topomaps.usgs.gov/>

Building Seismic Safety Council
<http://www.nibs.org/?page=bssc>

Earthquake hazard history by state
<http://earthquake.usgs.gov/earthquakes/states/>

USGS data on earthquakes
<http://earthquake.usgs.gov/monitoring/deformation/data/download/>

USGS Earthquake homepage
<http://quake.wr.usgs.gov>

National Cooperative Geologic Mapping Program (NCGMP)
<http://ncgmp.usgs.gov/>

Landslide Overview Map of the Conterminous United States
<http://landslides.usgs.gov/learning/nationalmap/>

Kafka, Alan L. 2008. *Why Does the Earth Shake in New England?* Boston College, Weston Observatory, Department of Geology and Geophysics
[http://www2.bc.edu/~kafka/Why Quakes/why quakes.html](http://www2.bc.edu/~kafka/Why_Quakes/why_quakes.html)

Map and Geographic Information Center, 2010, "Connecticut GIS Data", University of Connecticut
http://magic.lib.uconn.edu/connecticut_data.html

2012 Maine earthquake
<http://www.huffingtonpost.com/2012/10/17/maine-earthquake-2012-new-england n 1972555.html>

WIND-RELATED HAZARDS

ATC Wind Speed Web Site
<http://www.atcouncil.org/windspeed/index.php>

U.S. Wind Zone Maps

<http://www.fema.gov/safe-rooms/wind-zones-united-states>

Tornado Project Online

<http://www.tornadoproject.com/>

National Hurricane Center

<http://www.nhc.noaa.gov>

Community Hurricane Preparedness Tutorial

<http://meted.ucar.edu/hurricane/chp/hp.htm>

National Severe Storms Laboratory, 2009, "Tornado Basics",

http://www.nssl.noaa.gov/primer/tornado/tor_basics.html

GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND MAPPING

The National Spatial Data Infrastructure & Clearinghouse (NSDI) and Federal Geographic Data Committee (FGDC) Source for information on producing and sharing geographic data

<http://www.fgdc.gov>

The OpenGIS Consortium Industry source for developing standards and specifications for GIS data

<http://www.opengis.org>

Northeast States Emergency Consortium (NESEC): Provides information on various hazards, funding resources, and other information

<http://www.nesec.org>

US Dept of the Interior Geospatial Emergency Management System (IGEMS) provides the public with both an overview and more specific information on current natural hazard events. It is supported by the Department of the Interior Office of Emergency Management.

<http://igems.doi.gov/>

FEMA GeoPlatform: Geospatial data and analytics in support of emergency management

<http://fema.maps.arcgis.com/home/index.html>

DETERMINING RISK AND VULNERABILITY

HAZUS

<http://www.hazus.org>

FEMA Hazus Average Annualized Loss Viewer

<http://fema.maps.arcgis.com/home/webmap/viewer.html?webmap=cb8228309e9d405ca6b4db6027df36d9&extent=-139.0898,7.6266,-48.2109,62.6754>

Vulnerability Assessment Tutorial: On-line tutorial for local risk and vulnerability assessment

<http://www.csc.noaa.gov/products/nchaz/htm/mitigate.htm>

Case Study: an example of a completed risk and vulnerability assessment

<http://www.csc.noaa.gov/products/nchaz/htm/case.htm>

DATA GATHERING

National Information Sharing Consortium (NISC): brings together data owners, custodians, and users in the fields of homeland security, public safety, and emergency management and response. Members

leverage efforts related to the governance, development, and sharing of situational awareness and incident management resources, tools, and best practices

<http://nisconsortium.org/>

The Hydrologic Engineering Center (HEC), an organization within the Institute for Water Resources, is the designated Center of Expertise for the US Army Corps of Engineers

<http://www.hec.usace.army.mil/>

National Water & Climate Center

<http://www.wcc.nrcs.usda.gov/>

WinTR-55 Watershed Hydrology

<http://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/water/?&cid=stelprdb1042901>

USACE Hydrologic Engineering Center (HEC)

<http://www.hec.usace.army.mil/software/>

Stormwater Manager's Resource Center SMRC

<http://www.stormwatercenter.net>

USGS Current Water Data for the Nation

<http://waterdata.usgs.gov/nwis/rt>

USGS Water Data for the Nation

<http://waterdata.usgs.gov/nwis/>

Topography Maps and Aerial photos

<http://www.terraser.com/view.asp?tid=142>

National Register of Historic Places

<http://www.nps.gov/nr/about.htm>

National Wetlands Inventory

<http://www.fws.gov/wetlands/>

ICLUS Data for Northeast Region

http://www.epa.gov/ncea/global/iclus/inclus_nca_northeast.htm

SUSTAINABILITY/ADAPTATION/CLIMATE CHANGE

Planning for a Sustainable Future: the Link Between Hazard Mitigation and Livability

<http://www.fema.gov/media-library-data/20130726-1454-20490-3505/fema364.pdf>

Why the Emergency Management Community Should be Concerned about Climate Change: A discussion of the impact of climate change on selected natural hazards

<http://www.cna.org/sites/default/files/research/WEB%2007%2029%2010.1%20Climate%20Change%20and%20the%20Emergency%20Management%20Community.pdf>

NOAA RISA for the Northeast (*Regional Integrated Sciences and Assessments*)

<http://ccrun.org/home>

Resilient Sustainable Communities: Integrating Hazard Mitigation& Sustainability into Land Use

<http://www.earth.columbia.edu/sitefiles/file/education/documents/2013/Resilient-Sustainable-Communities-Report.pdf>

U.S. EPA

<http://www.epa.gov/climatechange/>

NOAA National Ocean Service (NOS)

<http://oceanservice.noaa.gov/>

The Northeast Climate Research Center (NRCC) folks were heavily involved in climate data in the NCA, below. They have a wealth of historic climate data and weather information, trends, etc.

<http://www.nrcc.cornell.edu/>

Community and Regional Resilience: Perspectives from hazards, disasters, and emergency management

[http://www.resilientus.org/library/FINAL CUTTER 9-25-08 1223482309.pdf](http://www.resilientus.org/library/FINAL_CUTTER_9-25-08_1223482309.pdf)

National Fish, Wildlife and Plants Climate Adaptation Strategy

www.wildlifeadaptationstrategy.gov

ICLEI Local Governments for Sustainability

<http://www.icleiusa.org/>

Kresge Foundation Survey

<http://www.kresge.org/news/survey-finds-communities-northeast-are-trying-plan-for-changes-climate-need-help-0>

New England's Sustainable Knowledge Corridor

<http://www.sustainableknowledgecorridor.org/site/>

The Strategic Foresight Initiative (SFI)

http://www.fema.gov/pdf/about/programs/oppa/findings_051111.pdf

Northeast Climate Choices

http://www.climatechoices.org/ne/resources_ne/nereport.html

Northeast Climate Impacts Assessment

<http://www.northeastclimateimpacts.org/>

Draft National Climate Assessment Northeast Chapter released early 2013

<http://ncadac.globalchange.gov/>

Northeast Chapter of the National Climate Assessment of 2009:

<http://www.globalchange.gov/images/cir/pdf/northeast.pdf>

NEclimateUS.org

neclimateus.org

ClimateNE

www.climatenortheast.com

Scenarios for Climate Assessment and Adaptation

<http://scenarios.globalchange.gov/>

Northeast Climate Science Center

<http://necsc.umass.edu/>

FEMA Climate Change Adaptation and Emergency Management

<https://www.llis.dhs.gov/content/climate-change-adaptation-and-emergency-management-0>

Climate Central

<http://www.climatecentral.org>

EPA State and Local Climate and Energy Program

<http://www.epa.gov/statelocalclimate/index.html>

PLANNING

American Planning Association

<http://www.planning.org>

PlannersWeb - Provides city and regional planning resources

<http://www.plannersweb.com>

OTHER FEDERAL RESOURCES

U.S. Army Corps of Engineers: Provides funding for floodplain management planning and technical assistance and other water resources issues.

www.nae.usace.army.mil

Natural Resources Conservation Service: Technical assistance to individual land owners, groups of landowners, communities, and soil and water conservation districts.

www.nrcs.usda.gov

NOAA Coastal Services Center

<http://www.csc.noaa.gov/>

Rural Economic and Community Development: Technical assistance to rural areas and smaller communities in rural areas on financing public works projects.

www.rurdev.usda.gov

Farm Service Agency: Manages the Wetlands Reserve Program (useful in open space or acquisition projects by purchasing easements on wetlands properties) and farmland set aside programs

www.fsa.usda.gov

National Weather Service: Prepares and issues flood, severe weather and coastal storm warnings.

Staff hydrologists can work with communities on flood warning issues; can give technical assistance in preparing flood-warning plans.

www.weather.gov

Economic Development Administration (EDA): Assists communities with technical assistance for economic development planning

www.osec.doc.gov/eda/default.htm

National Park Service: Technical assistance with open space preservation planning; can help facilitate meetings and identify non-structural options for floodplain redevelopment.

www.nps.gov

Fish and Wildlife Services: Can provide technical and financial assistance to restore wetlands and riparian habitats.

www.fws.gov

Department of Housing & Urban Development
www.hud.gov

Small Business Administration: SBA can provide additional low-interest funds (up to 20% above what an eligible applicant would qualify for) to install mitigation measures. They can also loan the cost of bringing a damaged property up to state or local code requirements.

www.sba.gov/disaster

Environmental Protection Agency
www.epa.gov

OTHER RESOURCES

New England States Emergency Consortium (NESEC): NESEC conducts public awareness and education programs on natural disaster and emergency management activities throughout New England. Resources are available on earthquake preparedness, mitigation, and hurricane safety.

www.nesec.org

Association of State Floodplain Managers (ASFPM): ASFPM has developed a series of technical and topical research papers, and a series of Proceedings from their annual conferences.

www.floods.org

National Voluntary Organizations Active in Disaster (VOAD) is a non-profit, nonpartisan membership organization that serves as the forum where organizations share knowledge and resources throughout the disaster cycle—preparation, response, recovery and mitigation.

<http://www.nvoad.org>

FEMA RESOURCES

Federal Emergency Management Agency (FEMA)
www.fema.gov

National Mitigation Framework
<http://www.fema.gov/national-mitigation-framework>

Federal Insurance and Mitigation Administration (FIMA)
<http://www.fema.gov/fima>

Community Rating System (CRS)
<http://www.fema.gov/national-flood-insurance-program/national-flood-insurance-program-community-rating-system>

FEMA Building Science
<http://www.fema.gov/building-science>

National Flood Insurance Program (NFIP)
<http://www.fema.gov/national-flood-insurance-program>

Floodplain Management & Community Assistance Program
<http://www.fema.gov/floodplain-management>

Increased Cost of Compliance (ICC): ICC coverage provides up to \$30,000 for elevation and design requirements to repeatedly or substantially damaged property.
<http://www.fema.gov/national-flood-insurance-program-2/increased-cost-compliance-coverage>



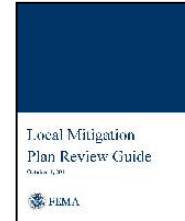
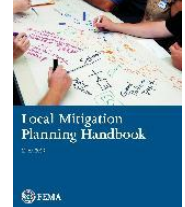

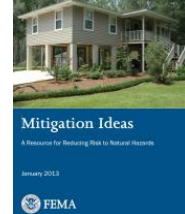
National Disaster Recovery Framework
<http://www.fema.gov/national-disaster-recovery-framework>



Computer Sciences Corporation: contracted by FIMA as the NFIP Statistical Agent, CSC provides information and assistance on flood insurance to lenders, insurance agents and communities
www.csc.com

Integrating the Local Natural Hazard Mitigation Plan into a Community's Comprehensive Plan: A Guidebook for Local Governments
<https://www.fema.gov/ar/media-library/assets/documents/89725>

Integrating Historic Property and Cultural Resource Considerations into Hazard Mitigation Planning
<http://www.fema.gov/media-library/assets/documents/4317>

Mitigation Best Practices Portfolio
<http://www.fema.gov/mitigation-best-practices-portfolio>

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|  | <p>FEMA Multi-Hazard Mitigation Planning Website http://www.fema.gov/multi-hazard-mitigation-planning</p> |
|  | <p>FEMA Resources Page http://www.fema.gov/plan/mitplanning/resources.shtm</p> |
|  | <p>Local Mitigation Plan Review Guide http://www.fema.gov/library/viewRecord.do?id=4859</p> |
|  | <p>Local Mitigation Planning Handbook complements and liberally references the Local Mitigation Plan Review Guide above http://www.fema.gov/library/viewRecord.do?id=7209</p> |
|  | <p>HAZUS http://www.fema.gov/protecting-our-communities/hazus</p> |
|  | <p>Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards http://www.fema.gov/library/viewRecord.do?id=6938</p> |

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|---|---|
|  | <p>Integrating Hazard Mitigation Into Local Planning: Case Studies and Tools for Community Officials http://www.fema.gov/library/viewRecord.do?id=7130</p> |
|  | <p>IS-318 Mitigation Planning for Local and Tribal Communities Independent Study Course http://training.fema.gov/EMIWeb/IS/is318.asp</p> |

FEMA REGION I MITIGATION PLANNING CONTACTS

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| <p>Nan Johnson Community Planner Phone: 617-956-7672 Email: nan.johnson@fema.dhs.gov</p> | <p>Massachusetts; Rhode Island; Vermont</p> |
| <p>Brigitte Ndikum-Nyada Community Planner Phone: 617-956-7614 Email: brigitte.ndikum-nyada@fema.dhs.gov</p> | <p>Connecticut; Maine; New Hampshire</p> |